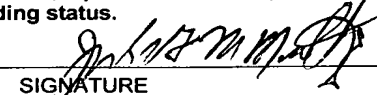


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|--|---|--|
| FORM PTO-1390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE<br>(REV. 2-2005)  |   | ATTORNEY'S DOCKET NUMBER<br>295-05   |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES</b><br><b>DESIGNATED/ELECTED OFFICE (DO/EO/US)</b><br><b>CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |   | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br>Herewith <b>10/550829</b> |
| INTERNATIONAL APPLICATION NO.<br>PCT/EP2004/002702   | INTERNATIONAL FILING DATE<br>March 16, 2004 | PRIORITY DATE CLAIMED<br>March 25, 2003                                      |
| TITLE OF INVENTION<br>Solution for Etching Copper Surfaces and Method of Depositing Metal on Copper Surfaces   |   |  |
| APPLICANT(S) FOR DO/EO/US<br>Hartmut Mahlkow<br>Christian Sparing  |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input checked="" type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> |   |  |
| Items 13 to 23 below concern document(s) or information included:  |   |  |
| <ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input checked="" type="checkbox"/> Express Mail Label No. EV 282452637 US</li> <li>23. <input checked="" type="checkbox"/> Other items or information:<br/>           Paul &amp; Paul Postcard         </li> </ol>  |   |  |

|  |              |  |            |   |            |
|--|--------------|--|------------|---|------------|
| U.S. APPLICATION NO. (if known, see 37 CFR 1.51)<br><b>10/550829</b>   |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/EP2004/002702</b>              |            | ATTORNEY'S DOCKET NUMBER<br><b>295-05</b> |            |
| The following fees are submitted:  |              |  |            | CALCULATIONS PTO USE                      |            |
| 24. <input checked="" type="checkbox"/> Basic national fee . . . . . \$300   |              |  |            | \$  | \$300.00   |
| 25. <input checked="" type="checkbox"/> Examination fee<br>If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). . . . . \$100<br>All other situations. . . . . \$200  |              |  |            | \$  | \$200.00   |
| 26. <input checked="" type="checkbox"/> Search fee . . . . .<br>Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority . . . . . \$100<br>International Search Report prepared and provided to the Office . . . . . \$400<br>All other situations. . . . . \$500  |              |  |            | \$  | \$400.00   |
| <b>TOTAL OF 24, 25 and 26 =</b>  |              |  |            | \$  | \$900.00   |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |  |            |   |            |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | RATE       |   |            |
| - 100 =  | 0 /50 =      | 0  | x \$250.00 | \$  | \$0.00     |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |  |            | \$  |            |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA   | RATE       |   |            |
| Total claims   | 49 - 20 =    | 29   | x \$50.00  | \$  | \$1,450.00 |
| Independent claims   | 1 - 3 =      | 0  | x \$200.00 | \$  | \$0.00     |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input checked="" type="checkbox"/> + \$360.00   |              |  |            | \$  | \$360.00   |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |  |            | \$  | \$2,710.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |  |            | \$  | \$0.00     |
| <b>SUBTOTAL =</b>  |              |  |            | \$  | \$2,710.00 |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |  |            | \$  | \$0.00     |
| <b>TOTAL NATIONAL FEE =</b>  |              |  |            | \$  | \$2,710.00 |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +  |              |  |            | \$  | \$40.00    |
| <b>TOTAL FEES ENCLOSED =</b>   |              |  |            | \$  | \$2,750.00 |
|  |              |  |            | Amount to be                              | \$         |
|  |              |  |            | Amount to be                              | \$         |
| <p>a. <input checked="" type="checkbox"/> A check in the amount of \$ <b>\$2,710.00</b> to cover the above fees is enclosed.</p> <p>b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <b>16-0750</b>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p style="text-align: right;"> <br/>           SIGNATURE<br/> <b>John F. McNulty</b><br/>           NAME<br/> <b>23,028</b><br/>           REGISTRATION NUMBER         </p> |              |  |            |   |            |

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Serial No.: Unassigned  
Filed: Herewith  
Inventors: Hartmut Mahlkow, et al  
For: Solution for Etching Copper  
Surfaces and Method of  
Depositing Metal on Copper Surfaces

Atty Doc. No.: 295-05

"EXPRESS MAIL" MAILING LABEL NO:  
EV 282452637US

DATE OF DEPOSIT September 23, 2005

I HEREBY CERTIFY THAT THIS PAPER IS BEING DEPOSITED  
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THE DATE INDICATED ABOVE AND IS ADDRESSED TO Mail Stop  
PCT THE COMMISSIONER FOR PATENTS, P.O. Box 1450,  
Alexandria, VA 22313-1450

NAME OF PERSON MAILING PAPER OR FEE

Amy Ridolfi

*Amy Ridolfi*  
SIGNATURE:

**EXPRESS MAIL COVER LETTER**

Mail Stop PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

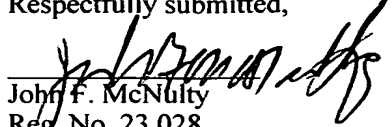
Sir:

Enclosed herewith are the following:

- (1) Express Mail Cover Letter;
- (2) Preliminary Amendment;
- (3) International Application Transmittal;
- (4) Specification (20 pages);
- (5) Claims (3 pages);
- (6) Declaration and Power of Attorney (2 pages);
- (7) PTO Form 1595;
- (8) Assignment;
- (9) Information Disclosure Statement with attachments;
- (10) PTO Form 1449;
- (11) International Search Report;
- (12) PCT Request;
- (13) International Publication WO 2005/085706;
- (14) International Preliminary Examination Report;
- (15) Form PCT/IB/340;
- (16) Check in the amount of \$40.00 (Assignment fee);
- (17) Check in the amount of \$2,710.00 for the application filing fee;
- (18) Paul & Paul postcard to be returned by the PTO.

THE COMMISSIONER IS HEREBY AUTHORIZED TO CHARGE ANY ADDITIONAL FEES ASSOCIATED  
WITH THIS COMMUNICATION, OR CREDIT ANY OVERPAYMENT, TO PAUL & PAUL DEPOSIT  
ACCOUNT NO. 16-0750, ORDER NO. 346.7

Respectfully submitted,

  
\_\_\_\_\_  
John F. McNulty  
Reg. No. 23,028  
Paul & Paul  
2900 Two Thousand Market St.  
Philadelphia, PA 19103 (215) 568-4900